

Please amend claim 5 as follows:

5. (Amended) In a method as in claim 1, where said isotopic fuel is a member of the group consisting of an isotope of hydrogen, boron, lithium, or potassium.

Please amend claim 10 as follows:

10. (Amended) In a process for producing heat or a nuclear product using a material by a reaction, a method to control the redistribution of isotopic fuel loaded into said material which includes in combination:
applying an electric field to load said isotopic fuel into said material,
applying a second electric field to said material loaded with said isotopic fuel,
thereby effecting redistribution of said isotopic fuel.

Please amend claim 21 as follows:

21. In a process for producing heat or a nuclear product using a metal loaded with an isotope of hydrogen, a method to effect redistribution of said isotope of hydrogen in said material which includes in combination:
applying an electric field to load said isotope of hydrogen into said metal,
loading said metal with said isotope of hydrogen,
thereafter applying a second electric field in a non-parallel direction to the first applied electric field to thereby distribute said isotope of hydrogen within said loaded metal.

Please amend claim 22 as follows:

22. In a method as in claim 21, where said loaded material is a member of the group consisting of palladium, titanium, or nickel or their alloys.

Please amend claim 24 as follows:

24. In a method as in claim 21, where the additional step is taken of having said redistribution of said isotopic fuel stopped by a barrier impermeable to said isotopic fuel.

Please amend claim 26 as follows:

26. In a method as in claim 1, where the additional step is taken of having said redistribution of said isotopic fuel stopped by a barrier impermeable to said isotopic fuel.

Please amend claim 28 as follows:

28. In a method as in claim 10, where the additional step is taken of having said redistribution of said isotopic fuel stopped by barrier impermeable to said isotopic fuel.